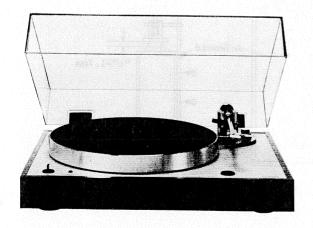


Direct-Drive Semi-Automatic Quartz Locked Turntable

PD290/PX99

PD290



PX99



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Alignment Procedure

- 1. Adjustment of auto-up position
 - Adjust the auto-up position rotating the hexahead bolt as illustrated (Fig.1).
 - a) In case the auto-up position is found too late, rotate the hexahead bolt counter-clockwise.
 - b) In case the auto-up position is found too fast, rotate the hexahead bolt clockwise.
 - c) In case the motor doesn't stop even after the auto-up completes its operation, turn the hexahead bolt a little, clockwise-whereas the motor stops.

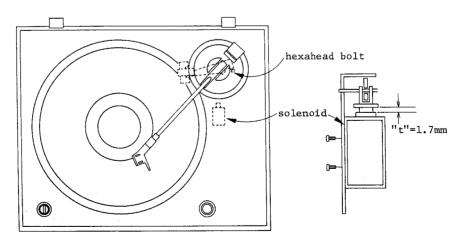
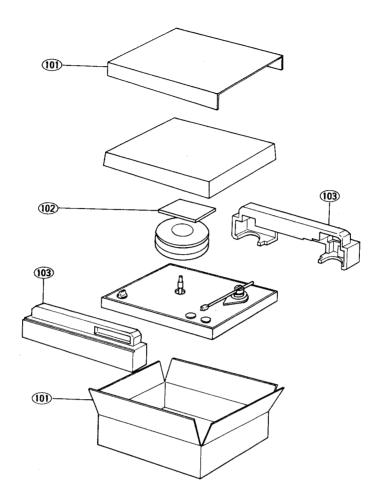


Fig.1 From top view

Fig. 2 From bottom view

2. Adjustment of the solenoid placement
Fix the solenoid in the position where the "t" in the Fig.2 is 1.7mm.

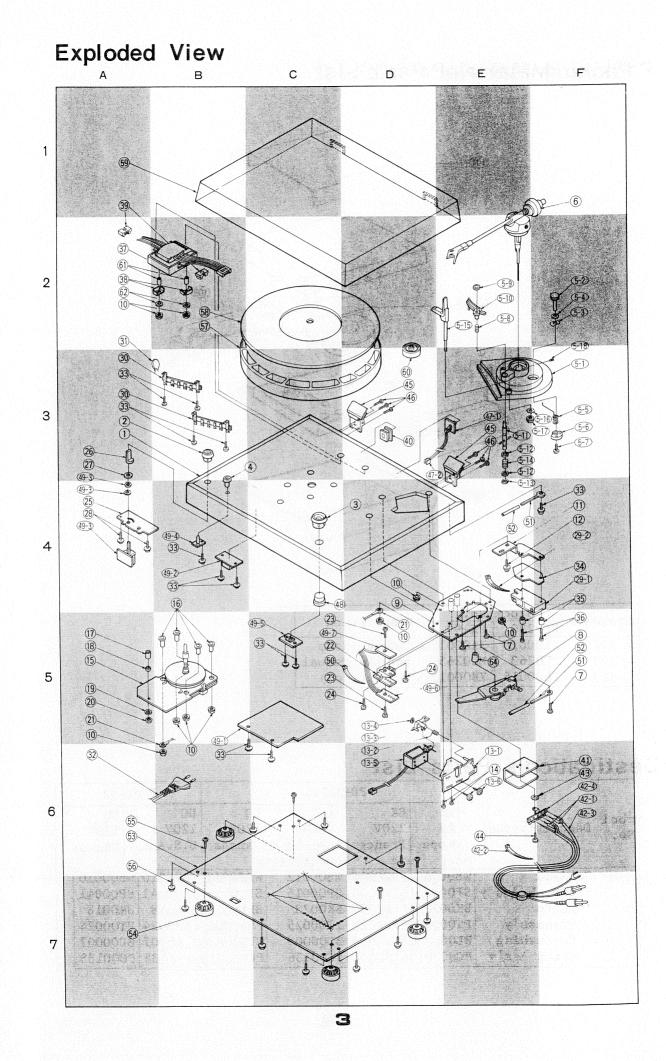
Packing Material Parts List



Symbol No.	Stock	No.	Danasiania
Symbol No.	PD-290	PX-99	Description
101	XAQ0018	XAQ0019	Packing Case
102	ME0263	ME0265	Owner's Manual
103	XBQ0015	XBQ0015	Pad (Styrol)

Destination's Parts List

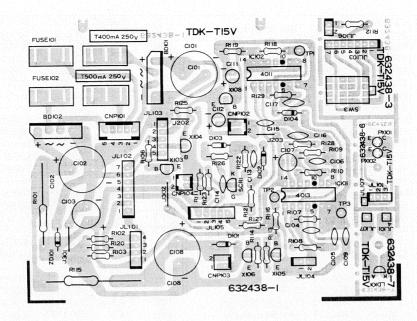
		PD-290				PX-99	
Symbol No.	Description	AK 220V	BK 220V	AG 240V	UQ 120V	UC 120V	UQ 120V
1.0.		Europe	France	England	Canada	U.S.A.	Canada
		etc e	tc	Australia			
1	Cabinet	WBQ0012	WBQ0012	WBQ0012	WBQ0012	WBQ0010	WBQ0010
29	Micro SW Ass'y	SPQ0015	SPQ0015	SPQ0015	SPQ0015		SP00041
32	AC Cord	BK0022	BK0022	BK0023	BK0018	BK0018	BK0018
37	Trans Ass'y	PTQ0025	PTQ0025	PTQ0025	PTQ0024		PTQ0024
40	Cord Bushing	BUQ0008	BUQ0008	BUQ0008			BUQ0007
49	Control Ass'y	PCQ0136	PCQ0136	PCQ0136		PCQ0135	



Exploded View Parts List

Index	Symbol		PX-99	Description	Index		PD-290	PX-99	Description
Index	No.	Stock No	Stock No	Description		No.		Stock No	
A3	1	WBQ0012	WBQ0010	Cabinet	F4	29-2	BU0082	BU0082	Wire Fastener
A3	2	WDQ0001	WDQ0001	SP Escutcheon	A3	30	ATQ0112	ATQ0112	Terminal Plate
D4	3	WDQ0002	WDQ0002	P Escutcheon	A2	31	CUQ0011	CUQ0011	Condensor
C3	4	WDQ0003	WDQ0003	C Escutcheon	A6	32	BK0018	BK0018	AC Cord (UC,UQ)
	5	ADQ0005	ADQ0005	PU Base Ass'y	A6		BK0022		AC Cord (AK, BK)
F3	5-1	WZQ0048	WZQ0048	PU Base Ass'y	A6		BK0023		AC Cord (AG)
F2	5-2	WZQ0057	WZQ0057	IFC Knob Ass'y	A3etc	33	YZQ0123	YZQ0123	Flange Scr,3x8
F2	5-3	YZQ0508	YZQ0508	Wave Washer	F4	34	UWQ0010	UWQ0010	Insulator Sheet
F2	5-4	YWQ0005	YWQ0005	Wsr,6.2x12x0.5	F4	35	виоооо5	BUQ0005	Bush
F3	5-5	UUQ0019	UUQ0019	IFC Spring	F5	36	YZQ0118	YZQ0118	Scr,2x18
F3	5-6	U0Q0019	U0Q0019	IFC Cam	A2	37	PTQ0024	PTQ0024	Trans Ass'y (UC,UQ)
F 3	5-7	YZQ0133	YZQ0133	Flange Scr,3x8	A2		PTQ0025		Trans Ass'y (AK, BK, AG)
1	5-8	UUQ0005	UUQ0005	Cam Spring	A2	38	UZQ0039	UZQ0039	Trans Holder
E2	5-9		YZQ0101	EL Nut	A1	39	UZQ0038	UZQ0038	Trans Rubber
E2	I	YZQ0101			D3	40	BUQ0007	BUQ0007	Cord Bushing (UC,UQ)
E2	5-10	WZQ0043	WZQ0043	EL Plate	D3	40	BUQ0007		Cord Bushing (AK, BK, AG)
E3	5-11	UZQ0051	UZQ0051	EL Shaft Ass'y 1	F6	4.1	UKQ0004	UKQ0004	Shield Plate
E3	5-12	YZQ0507	YZQ0507	BS Wsr,3.15x7x0.5	10	41		AGQ0005	5P Lug Ass'y
E3	5-13	YZQ0604	YZQ0604	E-Ring 2ø		42	AGQ0005	AGQUUUS	
E3	5-14	UUQ0020	UUQ0020	Spring	F6	42-1	77700000	D1100000	Tube
E2	5-15	WZQ0058	WZQ0058	Rest Ass'y	E6	42-2	BUQ0082	BUQ0082	Fastener
F3	5-16	YZQ0502	YZQ0502	TOW-3	F6	42-3	BKQ0002	BKQ0002	Shield Wire Ass'y
F3	5-17	YZQ0702	YZQ0702	Flange Nut 3ø	F6	42-4	AGQ0004	AGQ0004	5P Lug Plate
F2	5-18	YZQ0129	YZQ0129	Set Scr,4x10	F6	43	YZQ0502	YZQ0502	TOW 36
Fl	6	WZQ0059	WZQ0059	PU Ass'y	E6	44	YZQ0120	YZQ0120	Scr,3x8
E5, F5	7	YZQ0126	YZQ0126	FMT 3x12	D3,E3		UZQ0107	UZQ0107	Hinge Ass'y
F5	8	UKQ0006	UKQ0006	Shield Plate Ass'y 2	D3,E3		UZQ0130	UZQ0130	Wood Scr,3.1x12
D4	9	UAQ0005	UAQ0005	Sub Chassis Ass'y		47	BKQ0010	BKQ0010	Pin Jack Ass'y
A2etc	10	YZQ0703	YZQ0703	Flange Nut	E3	47-1	ATQ0111	ATQ0111	Pin Jack Ass'y
F4	11	URQ0012	URQ0012	SW Angle	D3	47-2	ASQ0013	ASQ0013	Pin Jack
F4	12	YZQ0143	YZQ0143	Flange Scr,3x6	C4	48	WJQ0002	WJQ0002	P Button
	13	UZQ0109	UZQ0109	Lifter Mecha.Ass'y		49	PCQ0135	PCQ0135	Control Ass'y (UC,UQ)
E6	13-1	UZQ0032	UZQ0032	Solenoid Angle Ass'y	Ì		PCQ0136		Control Ass'y (AK,BK,AG)
D6	13-2	UUQ0021	UUQ0021	Coil Spring	B5	49-1	PCQ0135A	PCQ0135A	Control Ass'y
D5	13-3	UZQ0033	UZQ0033	EL Lever	B4	49-2	PCQ0135B	PCQ0135B	Control Ass'y
D5	13-4	YZQ0603	YZQ0603	E-Ring 2ø	A3,A4	49-3	PCQ0135C	PCQ0135C	Control Ass'y
D6	13-5	AYQ0007	AYQ0007	Solenoid Ass'y	В4	49-4	PCQ0135D	PCQ0135D	Control Ass'y
E6	13-6	YZQ0125	YZQ0125	Flange Scr, 3x4	C5	49-5			Control Ass'y
E6	14	YZQ0122	YZQ0122	Scr,2.6x5	D5	49-6			Control Ass'y
A5	15	AMQ0008	AMQ0008	Motor DDM-522-QM40	C5	49-7			Control Ass'y
B4	16	UTQ0003	UTQ0003	Motor Column	C5	50	BU0082	BU0082	Fastener
A5	17	UTQ0004	UTQ0004	Motor Column 1	4,F5	51	AGQ0007	AGQ0007	Lug
A5	18	UTQ0005	UTQ0005	Motor Column 2	E4, F5		1		Tube
A5	19	YZQ0504	YZQ0504	Filter Wsr,3.2x8x1	A6	53	WBQ0106	WBQ0106	Bottom Plate
	20	YZQ0701	YZ00701	Nut 3¢	A6	54	WNQ0003	WNQ0003	Foot
A5	1	•	BKQ0012	Earth Wire Ass'y	A6	55	YZQ0131	YZQ0131	Scr,4x10
A5,D5	21 22	BKQ0012	UZQ0055	Sensor Holder	A6	56	YZQ0131	YZQ0145	Flange Scr, 3x16
C5	1	UZQ0055		1	B2	57	UZQ0052	UZQ0052	Turn Table
C5	23	YZQ0121	YZQ0121	Scr, 3x6	B2	58	WZQ0032	WZQ0032	Turn Table Sheet
C5, D5		YZQ0144	YZQ0144	Scr,3x10	11		WZQ0047 WZQ0206	WZQ0047	Dust Cover
A4	25	UZQ0060	UZQ0060	SW Plate	Al	59	WZQ0206 WZQ0302B		1
A3	26	WJQ0004	WJQ0004	Changeover Knob	D3	60	,	1 .	
A3	27	YZQ0505	YZQ0505	Himeron Wsr.	A2	61	BUQ0008	BUQ0008	Bush
A4	28	YZQ0119	YZQ0119	Scr,3x12	A2	62	YWQ0007	YWQ0007	Wsr,3.2x10x1.0
	29	SPQ0015	SPQ0041	Micro SW Ass'y	E5	64	BUQ0009	BUQ0009	Bush
F4	29-1	SPQ0040	SPQ0040	Micro SW	J [<u></u>	

Control PCB(1)Parts List



Symbol No.	Stock No	Descrip	otion				
(Fuse)							
Fuse101	BF0075	1A 250V					
	BF0205	T400mA					
Fuse102	BF0075	1A 250		SA)			
	BF0206	T500mA	250V				
(IC)							
IC101	TCQ0075	upD/	4013BC				
	TCQ0076	or HD1	4013BP				
IC102	TCQ0044	uPD:	4011BC				
	TCQ0077	or HD1	4011BP				
(Bridge	Diode)						
BD101	TD0137		B-10				
BD102	TD0137	S1V	B-10				
(Resist	(Resistor)						
R101	RS2942	390	2W	Rm			
R102	RD0467	820	1/4W	Rd			
R103	RD0434	470K	1/4W	Rd			
R106	RD0446	47K	1/4W	Rd			
R107	RD0436	330K	1/4W	Rd			
R108	RD0442	100K	1/4W	Rd			
R109	RD0445	56K	1/4W				
R110	RD0442	100K	1/4W	Rd			
R111	RD0454	10K	1/4W	Rd			
R113	RD0457	5.6K	1/4W	Rd			
R114	RD0457	5.6K	1/4W	Rd			
R115	RGQ0011	82	5W	Rc			
R116	RD0450	22K	1/4W	Rd			
R118	RD0454	10K	1/4W	Rd			
R119	RD0454	10K	1/4W	Rd			
R120	RD0434	470K	1/4W	Rd			
R127	RD0436	330K	1/4W	Rd			
R128	RD0440	1.5M	1/4W	Rd			

Symbol No.	Stock No	Descript	ion	
(Transi	stor)			
X103	TR0029	2SC94	5K,P,	Q
	TR0198	or 2SC18	15Y,G	R
X104	TR0029	2SC94	5K,P,	Q
	TR0198	or 2SC18	315Y,G	R
X105	TR0043	2SA73	3K,P,	Q
11-00	TR0087	or 2SA10)15Ý,0	GR
X106	TRQ5016	2SD88	32E,P,	, Q
X108	TR0029	2SC94	+5K,P,	Q
11100	TR0198	or 2SC18	315Ý,	GR
(Zener	Diode)	-		
ZD101	TD0081	RD12I	EB1	
(Diode)				
D101	TDQ0522	F14C		
	TDQ0536	or EM-1		
D104	TD5012	1S95	3	
	TD#003	or 1815	88	
(Capac:	itor)			
C101	CE0847	1000uF	35V	E1
C102	CE0861	470uF	50V	E1
C103	CE0089	470uF	25V	E1
C104	CK0004	0.01uF		Ce
C105	CC0092	220pF	50V	Ce
C106	CK0004	0.01uF	50V	Ce
C107	CE0171	4.7uF	16V	E1
C108	CE1748	2200uF	35V	E1
C109	CK0004	0.01uF	50V	Ce
C111	CE0056	10uF	16V	E1
C112	CE0045	luF	50V	E1
C115	CK0004	0.01uF	50V	Ce
C116	CK0142	0.luF	50V	Ce
	CE0171	4.7uF	16V	E1
C118	CE0171	4.7uF	16V_	E1

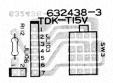
Control PCB(2)Parts List

Symbol No.	Stock No	Description
(Switch	, Slide)	
SW1	SS8001	SSB0222 Manu/Auto

632438-2 2-88488 TDK-TI5V

Control PCB(3)Parts List

Symbol No.	Stock No.	Description
(Switch	n, Rotary)	
SW3	SRQ0011	SRU1022 33/off/45
(Resist	cor)	
R112	RD0043	1K 1/4W Rd



Control PCB(4)Parts List

Symbol No.	Stock No	Description
(LED)		•
LD102	TD5028	SEL2310G Quartz Lock



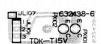
Control PCB(5)Parts List

Symbol No	Stock No	Description
(Switch	, Tact)	
SW2	SPQ0025	Cue



Control PCB(6)Parts List

Symbol No.	Stock No	Description
(Photo	Transistor	
PX101	TRQ0008	PN120S
PX102	TRQ0008	PN120S



Control PCB(7)Parts List

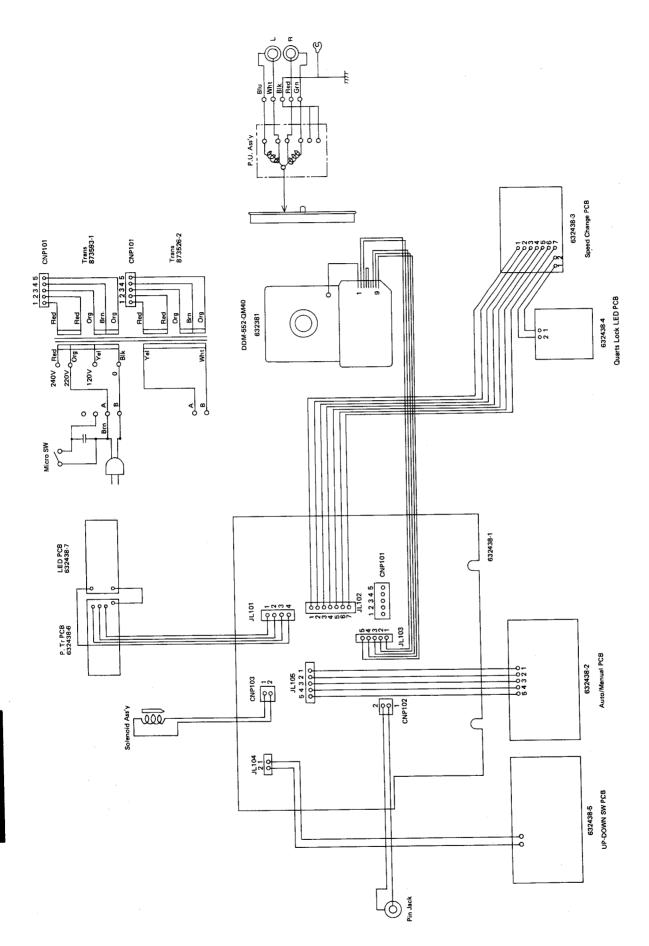
Symbol No.	Stock No	Description
(LED)		
LD101	TDQ0023	EBR3432S



Remarks

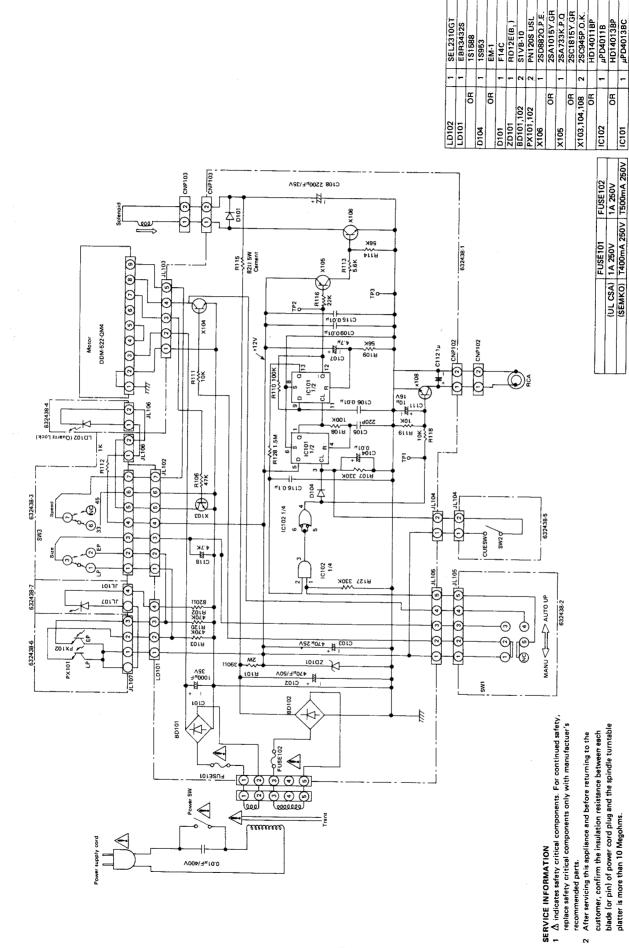
Resistor; Rd...Carbon, Rm...Metal Film, Rc...Cement

Capacitor; El...Electrolytic, Ce...Ceramic





WIRING DIAGRAM





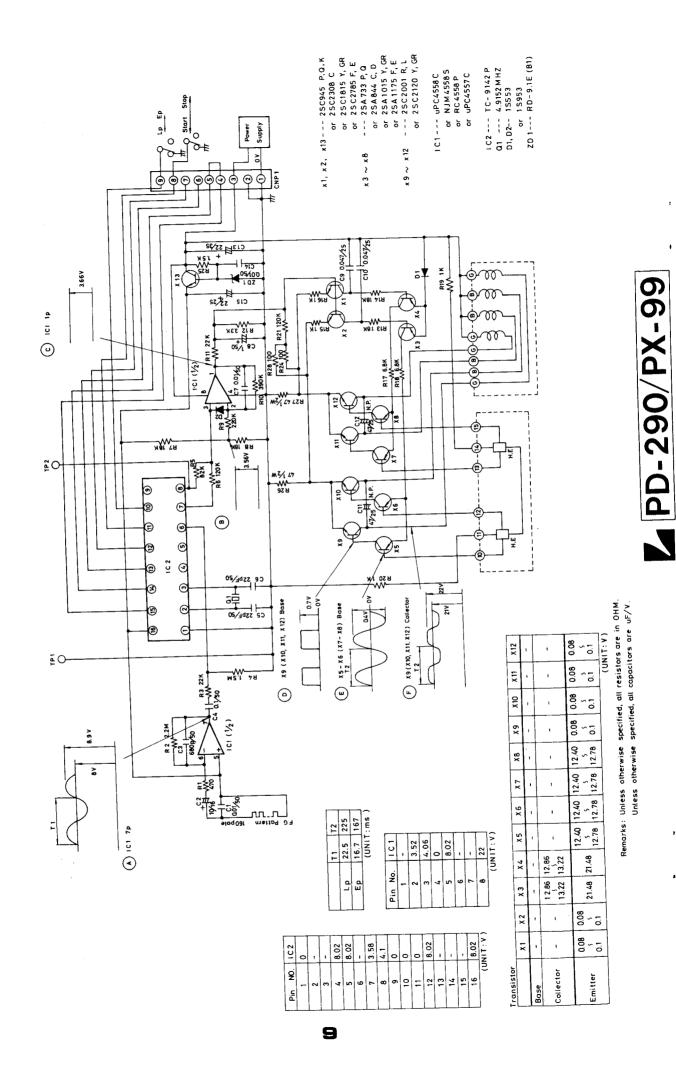
µPD4013BC

OB

10101

SCHEMATIC DIAGRAM

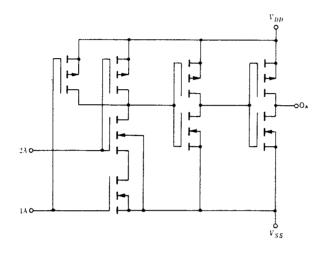
platter is more than 10 Megohms.

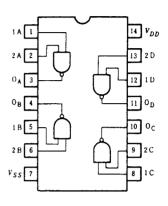


μ PD4011BC or HD14011BP

Quadruple 2-input NAND Gate

Block Diagram

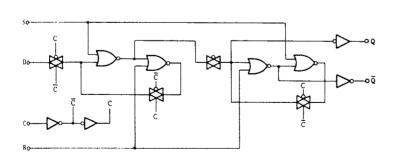


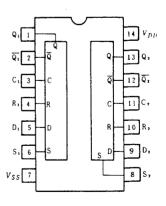


μ PD4013BC or HD14013BP

Dual D-type Flip Flop

Block Diagram





Specifications

[Phono Motor Section]

Drive System:

Direct-Drive System

Motor:

Brushless & slotless DC servo quartz-locked motor

Turntable platter:

30cm aluminum die-cast (weight 1.6kgs including platter mat)

Rotation:

33-1/3rpm, 45rpm (2-speed)

S/N Ratio: Wow & Flutter: better than 70dB (DIN-B) no more than 0.03% W.R.M.S.

[Tonearm Section]

Tonearm:

Stright Arm of static balance type

Effective Length:

214mm

Tracking Error:

+3 02', -1 34'

Overhang:

15mm

Cartridge Weight:

4g-1-.5g

Stylus Pressure:

0-3g (direct reading)

Accessories:

Anti-skate adjustment

[Additional Features]

Dust Cover:

Detachable with semi-free-stop hinge

Quartz-lock indicator

[General]

Power Consumption:

OU

Dimensions:

440(W) x148(H) x360(D) mm

(17.6")x(5.9")x(14.4")

Weight:

Net 6.5kgs (14.31bs) Gross 8kgs (17.61bs)

Specifications and appearance design subject to change without notice.